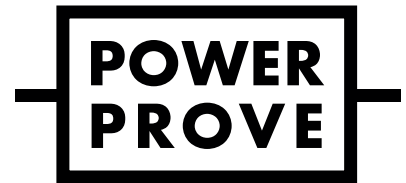


AC30 Series

## AC30 Load bank



**Compact load bank providing 30kW of load capacity, with a highly adjustable manual control interface.**



[www.cpa-ltd.net](http://www.cpa-ltd.net)

### Key features

#### Portability

The lightweight aluminium enclosure combined with the small frame size, castors and handles make the AC30 a highly portable unit. The four 150mm diameter fans produce an evenly distributed airflow over a short distance which enables the resistor elements to be fitted closer to the fans resulting in a compact piece of equipment.

#### Easy to use

Simple manual control interface enables fast set-up. Analogue meters in the AC30 provide clear real-time display of the voltage, current and frequency, making it quick and easy to understand.

#### Phase load adjustment

Each phase of each section within the AC30 is individually switched enabling the loading on each phase to be set precisely to the required value.

#### 1 or 3 phase

Featuring dual IEC sockets the AC30 can be loaded from a 3-phase or 1-phase AC supply at up to 30kW or 14.5kW respectively. Easily configure the load bank for the supply to be tested with a simple selector switch.

### Optional extras

- **Supply cables** - made to order to the desired length and with supply side connection method to suit the intended use.
- **PVC storage cover** - available for protection during transport or storage.



## Ratings

	3-phase	1-phase
Voltage, V AC	400	230
Maximum capacity, kW	30	14.5
Load step resolution, kW	1.0	0.33

Suitable for frequencies of 50Hz or 60Hz. Other voltages and frequencies available on request.

## Control and ventilation

Manual controls	3 x 6 x Load section toggle switches, 1 x 1ph./off/3ph. rotary selector switch
Control interface	Manual Control (described above) 18 x Section status lamps 1 x Over-temp. status lamp 1 x Analogue volt meter 1 x Analogue frequency meter 3 x Analogue current meters (1 per phase)
Cooling	Forced convection, vertical flow (side outlets)
Fan(s)	4 x AC axial type
Control supply	230Vac 1-phase
Source	Internal, taken from supply under test

## Safety

Electrical protection	Short circuit protection via MCB(s)
Thermal protection	Over-temperature thermostat trip.

## Connection interfaces

Load connections	1 x 3-phase 63A IEC socket (3P+N+PE)  1 x 1-phase 63A IEC Socket (1P+N+PE)
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## Operating environment

Suitable for	Indoor use only
Ambient temperature	-10°C to 50°C
Humidity	95% RH
Ingress protection	IP20

## Construction

Resistor elements	Wound steel tape and expanded mesh
Element material	High grade stainless steel
Enclosure	Aluminium, painted RAL9002 grey
Portability	2x castors, 2x handles

## Weight and dimensions

See general arrangement drawing reference 161473

Length, mm	560
Width, mm	400
Height, mm	840
Weight, kg	30

## Testing and standards

Every unit is subjected to routine testing before dispatch, including functional operation, electrical insulation testing and visual inspection.

Declaration of conformity document reference: 161474



## Documentation

Supplied with an operation and maintenance manual and routine test report as standard.

## Training and support

Training can be provided by the manufacturer at our headquarters or on-site, please contact our support team to find out more.

## Warranty

The equipment is covered by a 12-month warranty.